| <br>idex | <br> |  |
|----------|------|--|
|          |      |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/619,407              | SORRELLS ET AL.                         |
| Examiner                | Art Unit                                |
| Christopher Boswell     | 3676                                    |

|   | Rejected | ı | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim l    | _                   |          |              | Da      | ite      |    |                |              |      | Claim Date |          |                 |                 |          |         | CI     | aim      | Date            |          |              |            |              |  |              |  |              |          |                 |          |          |
|--|----------|---------------------|----------|--------------|---------|----------|----|----------------|--------------|------|------------|----------|-----------------|-----------------|----------|---------|--------|----------|-----------------|----------|--------------|------------|--------------|--|--------------|--|--------------|----------|-----------------|----------|----------|
|  |          | T                   | П        |              | Ť       | Ť        | Τ  | П              |              |      |            |          |                 |                 |          |         |        |          |                 |          |              |            |              |  | П            | $\neg$   | $\neg$       |          |                 |          |          |
| Final.   | Original | 9/22/04             | 4/29/05  | 10/13/05     |         |          |    |                |              |      | Final      | Original |                 |                 |          |         | ŀ      |          |                 |          | Final        | Original   |              | •  |              |  |              | ,        |                 |          |          |
|  |          | $\perp$             | _        | 7            | _       | $\perp$  | ╀  |                |              |      |            | 51       |                 | _               | -        | +       | $\bot$ | $\vdash$ | Н               | _        |              | 101        |              |  |              | _  | t            | Н        |                 | $\dashv$ | $\dashv$ |
| <u> </u>   | 1        |                     | <b>√</b> | ∜            |         | ╁        | ╁  | ╌              |              |      |            | 52       | $\vdash$        | $\dashv$        | -        | +-      | ╁      | +        | $\vdash$        | $\dashv$ |              | 102        | Н            | H  |              |  | _            | $\vdash$ |                 | ᅥ        | ႕        |
|  | 2        |                     | <u> </u> | 7            |         | ╀        | ╀  | $\vdash$       | -            |      |            | 53       | $\vdash$        | +               | +        | +       | +      | -        | $\vdash$        | $\dashv$ |              | 103        | Н            | $\vdash$   | _            | Н  |              | $\vdash$ |                 | $\dashv$ | $\dashv$ |
|  | 3        |                     | 1        | ᢌᡰ           |         | ╫        | ╁  | ╁              | -            |      |            | 54       | $\vdash$        | -+              | -        | +       | ╁      | -        | $\vdash$        | $\dashv$ |              | 103        | $\vdash$     | $\vdash$   | _            |  | _            | $\vdash$ |                 | $\dashv$ | $\dashv$ |
|  | 4        | _                   | -        | ┷┼-          | -       | ╁        | +  | -              | -            |      |            | 55       | $\vdash$        | -               |          | +       | +      | +-       | $\vdash$        | $\dashv$ |              | 105        | Н            | H  |              |  |              |          | $\dashv$        | $\dashv$ | -        |
|  | 5        |                     | <b>√</b> | <b>√</b>     | +-      | ╫        | +  | $\vdash$       |              |      | <u> </u>   | 56       | Н               | -               | -+       | +       | +      | +-       |                 | $\dashv$ |              | 106        | H            |  |              | $\dashv$   | $\vdash$     | $\vdash$ |                 | $\dashv$ | $\dashv$ |
| <u> </u>   | 6        |                     | _        | <del>\</del> | +       | +-       | ╀  | -              | <u> </u>     |      |            | 57       | Н               | $\dashv$        | +        | ┿       | +      | $\vdash$ | $\vdash$        |          |              | 107        | Н            | $\vdash$   | _            | -  | _            | $\vdash$ | -               | ᅱ        | -        |
|  | 7        | _                   | <u> </u> | _            | +-      | ╁        | ╀  | $\vdash$       | -            |      |            | 58       | $\vdash$        | $\dashv$        | +        | ╬       | +      | $\vdash$ | Н               | -        |              | 108        | $\vdash$     |  | _            |  | ├            | $\vdash$ |                 | -        | $\dashv$ |
|  | 8        | $\overline{}$       | <b>√</b> | <b>√</b>     | ╬       | +        | ╁  | ╁              |              |      |            | 59       | -               | -               | -        | +       | +      | +        | $\vdash$        | $\dashv$ |              | 100        | $\vdash$     | $\vdash$   |              |  | $\vdash$     | Н        |                 | $\dashv$ | $\dashv$ |
|  | 9        | _                   | <u>√</u> | <del>\</del> | -       | +        | ╀  | $\vdash$       | _            |      | <u> </u>   | 60       | $\vdash \vdash$ | +               | +        | ╁       | ╁      | $\vdash$ | $\vdash$        | -1       | •            | 110        | -            | Н  |              | -  | _            | $\vdash$ | -               | ᅱ        | -        |
| <u> </u>   | 10       |                     | <b>√</b> |              | +       | +        | ╀  | ╁              | -            |      | -          |          | -               | $\dashv$        | +        | +       |        | ╁┈       | $\vdash$        | $\dashv$ |              | 111        | Н            | -  |              | -  | -            | -        | -               | -        | _        |
| <del>                                     </del> | 11       | _                   | <b>√</b> | <b>√</b>     | ÷       | +        | +- | Η.             | $\vdash$     |      | $\vdash$   | 61<br>62 | $\vdash \vdash$ | $\dashv$        | +        | +       | +      | +        | $\vdash$        |          |              | 112        | $\vdash$     | Н  | -            | H  | H            | $\vdash$ | $\dashv$        |          | $\dashv$ |
| <u> </u>   | 12       | _                   | <b>√</b> | 1            | +       | +        | +  | +-             | $\vdash$     |      | $\vdash$   | 63       | $\vdash\vdash$  | $\dashv$        | +        | +       | +-     | +        | $\vdash$        |          |              | 113        | $\vdash$     | $\vdash$   |              | H  | $\vdash$     | Н        |                 | $\dashv$ | $\dashv$ |
|  | 13       |                     | <b>√</b> | _            | +       | +        | +- | $\vdash$       | $\vdash$     |      |            | 64       | $\vdash$        | $\dashv$        | +        | +       | +      | $\vdash$ | $\vdash$        | $\dashv$ |              | 114        | H            | Н  |              | $\vdash$   | <del> </del> | $\vdash$ | $\dashv$        |          | $\dashv$ |
|  | 14       |                     | 1        | <b>1</b>     | +       | +        | +  | $\vdash$       | $\vdash$     |      |            | 65       | $\vdash \vdash$ | -               | +        | +       | +      | $\vdash$ | ┝╌┤             | _        |              | 115        | $\vdash$     | $\vdash$   | _            | $\vdash$   | $\vdash$     | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$ |
|  | 15       |                     | 1        | √            | +       | +-       | +  | ╁              | $\vdash$     |      |            |          | $\vdash$        | $\dashv$        | +        | +       | +      | $\vdash$ | $\vdash \vdash$ |          |              | 116        |              | $\vdash$   |              |  | _            | $\vdash$ |                 | $\dashv$ |          |
|  | 16       |                     | 1        | 1            | +       | +        | +- | ╁              | <del> </del> |      |            | 66<br>67 | Н               |                 | +        | +       | +      | $\vdash$ | $\vdash \vdash$ | $\dashv$ |              | 117        | $\vdash$     | $\vdash$   |              | $\vdash$   | $\vdash$     | Н        | $\dashv$        | -        | $\dashv$ |
|  | 17       |                     | 1        |              | - -     | +-       | ╁  | -              |              |      |            | 68       |                 | $\dashv$        | +        | +       | +      | -        | $\vdash$        | $\dashv$ |              | 118        | -            | -  |              | -  | ⊢            | Н        |                 | $\dashv$ | $\dashv$ |
|  | 18       |                     | <b>√</b> | <b>√</b>     | - -     | +        | ╁  | -              | -            |      |            | 69       |                 | -               |          | +       | +-     | +        | $\vdash$        | $\dashv$ |              | 119        | -            | Н  | _            | $\vdash$   | -            | $\vdash$ | -               | $\dashv$ | $\dashv$ |
|  | 19       |                     | <u> </u> | <b>√</b>     | +       | +        | ╀  | ┢              | -            |      |            | 70       | H               | -+              | +        | +       | +      | -        | Н               | -        |              | 120        | $\vdash$     | Н  | _            | $\vdash$   | $\vdash$     | $\vdash$ |                 | $\dashv$ | $\dashv$ |
| <u> </u>   | 20       | _                   | <b>√</b> | <b>√</b>     | +       | +-       | ╀  | ┾              | Н            |      |            |          | $\vdash$        | $\dashv$        |          | ╬       | +      | $\vdash$ | $\vdash$        | -        |              | 121        | -            | Н  |              | $\vdash$   | ⊢            | $\vdash$ |                 | $\dashv$ | $\dashv$ |
|  | 21       | _                   | <b>√</b> | 1            | - -     | +        | ╀  | -              | $\vdash$     |      |            | 71       | Н               |                 | +        | +       | +-     | +        | $\vdash\vdash$  | _        |              | 122        | -            | Н  |              | $\vdash$   | $\vdash$     | Н        |                 | $\dashv$ | $\dashv$ |
|  | 22       |                     | <u>√</u> | 1            | +       | +-       | ╄  | -              | -            |      |            | 72<br>73 | -               | -               | +        | +       | +      | -        | -               | _        |              | 123        | $\vdash$     | Н  |              | $\vdash$   | ⊢            |          | $\vdash$        | $\dashv$ | $\dashv$ |
|  | 23       | _                   | <b>√</b> | <b>√</b>     | -       | +        | ┼- | ╄              |              |      |            |          | -               | $\dashv$        | -        | +       | +      | $\vdash$ | $\vdash$        | -        |              |            | _            | H  |              | H  |              | Н        | $\dashv$        | $\dashv$ | $\dashv$ |
|  | 24       |                     | <b>√</b> | √            | -       | +        | ╀  | ↓_             | _            |      |            | 74       | Н               | $\dashv$        | +        | +       | +      | ╀        | $\vdash$        | -        |              | 124        | $\vdash$     | Н  |              | -  | -            | $\vdash$ | $\dashv$        | $\dashv$ | -        |
|  | 25       | $\vdash$            |          | -            | +       | -        | 1  | <del> </del> _ | <u> </u>     |      |            | 75       |                 | -               | +        | +       | -      | ╀        | $\vdash$        |          |              | 125        |              | Н  | _            | Ŀ  | -            | $\vdash$ | $\dashv$        | $\dashv$ |          |
|  | 26       |                     | 4        | _            | - -     | +        | ╁  | ┼              | L            |      |            | 76       | $\vdash$        | -               | -+       | +       | +-     | ╁        | $\vdash$        |          |              | 126<br>127 | -            | $\vdash$   |              | -  | -            | Н        | $\dashv$        | $\dashv$ | -        |
|  | 27       | -                   | 4        | +            | - -     | +        | ╄- | -              | _            |      |            | 77       | Н               |                 | +        | +       | +      | ┼        | H               |          |              | 128        |              | Н  |              | -  | ⊢            | H        | $\dashv$        | $\dashv$ |          |
|  | 28       |                     | -        |              | - -     | +-       | +  | ├-             | <u> </u>     |      |            | 78       | Н               | -               | -+       | +       | ┿      | -        | $\vdash$        | _        | _            | 129        | -            | -  | -            | H  | ┢            | Н        | $\dashv$        | $\dashv$ | -        |
|  | 29       | $\perp$             | -        |              | +       | +        | ╁  |                | _            |      |            | 79       | -               | _               | +        | +       | +-     | ┰        | H               | _        |              | 130        |              | -  | -            |  | -            | H        | $\dashv$        | $\dashv$ | -        |
|  | 30       | $\rightarrow$       | -        | _            | 4       | -        | -  | <u> </u>       | <u> </u>     |      |            | 80       |                 | -               | +        | +       | +-     | +-       |                 |          |              | 131        | _            | Н  | _            | -  | -            | Н        | -               | $\dashv$ |          |
|  | 31       | $\dashv$            | -        | $\dashv$     | +       | +-       | ┿┈ |                |              |      |            | 81       | H               | -               | -        | +       |        | -        | $\vdash$        | _        |              | 132        | -            | Н  |              |  |              | -        | $\dashv$        | $\dashv$ | $\dashv$ |
|  | 32       | $\dashv$            | -        | $\dashv$     | +       | <u> </u> | +  | -              | _            |      |            | 82       | Н               | $\dashv$        | -        |         | -      | +        | -               | _        |              |            | $\vdash$     | Н  | _            | $\vdash$   | -            | Н        | $\dashv$        | -1       | -        |
|  | 33       | $\vdash$            | -        | $\dashv$     | +       | +-       | +  | $\vdash$       | -            |      |            | 83       | $\vdash$        | $\dashv$        | +        | +       | +      | $\vdash$ | $\vdash\vdash$  |          |              | 133<br>134 | $\vdash$     | Н  |              | $\vdash$   | -            | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$ |
| <u> </u>   | 34       | $\vdash$            |          | +            | +       | +        | +- | ╁              | $\vdash$     |      | <u> </u>   | 84       | $\vdash$        | $\dashv$        | +        | +       | +      | +        | $\vdash$        | _        | <b>-</b>     | 135        | <del> </del> | Н  | -            | $\vdash$   | -            | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$ |
| <u> </u>   | 35       | $\vdash$            | 4        | $\dashv$     | - -     | +-       | +  | <del> </del>   | ├—           |      | <u> </u>   | 85       | Н               | $\dashv$        | +        | +       | +-     | +-       | $\vdash \vdash$ | _        | ļ            | 135        |              | Н  |              | -  | -            | $\vdash$ | $\vdash$        | $\dashv$ |          |
| <u> </u>   | 36       | $\vdash$            | 4        |              | 4       | +        | ╀  | ┼              | ├—           |      | <u> </u>   | 86       | Н               | -+              | +        | +       | +      | -        | $\vdash$        | -        |              | 135        | -            |  | H            | $\vdash$   | ├-           | $\vdash$ | $\vdash\vdash$  | $\dashv$ | H        |
|  | 37       |                     | 4        | -            | +       | +-       | +- |                | ├-           |      | <u> </u>   | 87       | Н               | $\dashv$        | +        | - -     | +      | $\vdash$ | $\vdash$        | _        | <del> </del> |            | $\vdash$     | $\vdash$   |              | -  | $\vdash$     | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$ |
|  | 38       | $\vdash$            | _        | -            | +       | +-       | +- | $\vdash$       | ├-           |      | <u> </u>   | 88       |                 | $\dashv$        | +        | +       | +      | $\vdash$ | $\vdash \vdash$ | _        | -            | 138<br>139 | ⊢            | $\vdash$   |              | -  | ⊢            | $\vdash$ | -               | $\dashv$ | $\vdash$ |
| ļ  | 39       | $\vdash$            | 4        | +            | +       | +        | +  | ┼-             | <u> </u>     |      | <u> </u>   | 89       | -               | $\dashv$        | +        | +       | +      | +        | $\vdash \vdash$ |          | ├            | 140        |              | $\vdash$   | <del> </del> | $\vdash$   |              | $\vdash$ | $\vdash \vdash$ |          | $\vdash$ |
| <u> </u>   | 40       | $\vdash$            | 4        |              | +       | +        | +- | -              | <del> </del> |      | <u> </u>   | 90       | $\vdash$        | $\dashv$        | +        |         | +      | +        | $\vdash$        |          | <u> </u>     | 141        | $\vdash$     | Н  | H            |  | $\vdash$     | Н        | $\vdash$        | $\dashv$ |          |
| <u> </u>   | 41       | $\vdash$            | $\dashv$ | -            | - -     | +-       | +  | -              | -            |      | <u> </u>   | 91       | $\vdash$        | $\dashv$        | +        | +       | +      | -        | $\vdash \vdash$ | _        | ├—           |            | $\vdash$     | -  | $\vdash$     | $\vdash$   | -            | $\vdash$ | $\vdash$        |          | $\vdash$ |
| L  | 42       | $\vdash \vdash$     | 4        | +            | +       | 4        | -  |                | <del> </del> |      |            | 92       | $\vdash$        | $\dashv$        | +        | +       | +      | +-       | $\vdash \vdash$ |          |              | 142<br>143 |              | $\vdash$   | <u> —</u>    | <del>                                     </del> | <del> </del> | H        | $\vdash$        | $\dashv$ | Н        |
|  | 43       | $\vdash$            | 4        | -            | +       | +-       | +- | +-             | -            |      | <u> </u>   | 93       | $\vdash$        | $\vdash$        | +        |         | +      | ╀        | $\vdash$        |          | <u> </u>     |            | H            | $\vdash$   |              | <del> </del>                                     | -            | H        | $\vdash$        | $\dashv$ | Н        |
| <u> </u>   | 44       | $\vdash$            | 4        | -            | +       | +-       | +- | $\vdash$       | $\vdash$     |      |            | 94       | $\vdash$        | $\dashv$        | -+       | +       | -      | +        |                 | _        | -            | 144<br>145 | $\vdash$     | $\vdash$   | <u> </u>     | <del> </del>                                     | -            | $\vdash$ | Н               | -        | $\vdash$ |
| <u> </u>   | 45       | $\vdash$            | 4        | -            | +       | +-       | +  | $\vdash$       | <u> </u>     |      | <u> </u>   | 95       | Н               | ┝╌┼             | +        | +       | +      | +        |                 | _        | <del> </del> |            | ⊢            | <del>                                     </del> | ├            | $\vdash$   | ├-           | $\vdash$ | H               | $\dashv$ | $\dashv$ |
|  | 46       | $\vdash$            | 4        |              | +       | +-       | +- | ⊢              | <u> </u>     |      |            | 96       | $\vdash$        | $\dashv$        | +        | +       | +      | +        |                 | _        | <u> </u>     | 146        | ⊢            | $\vdash$   | <u> </u>     | ├  | -            | $\vdash$ | Н               | $\dashv$ | $\vdash$ |
| <u> </u>   | 47       | $\vdash \downarrow$ | 4        | $\dashv$     | +       | +        | 4  | ↓_             | <u> </u>     |      | <u> </u>   | 97       | Н               | $\dashv$        | $\dashv$ | +       | +      | +        |                 |          | <b> </b>     | 147        | $\vdash$     | -  | <del> </del> | $\vdash$   | ⊢            | -        | Н               |          | $\vdash$ |
| <u></u>  | 48       | $\vdash \vdash$     |          |              | 4       | +        | +  | $\vdash$       | <b> </b>     |      | <u> </u>   | 98       | $\vdash$        | $\vdash$        | +        | +       | +      | +        |                 |          | <u> </u>     | 148        | $\vdash$     | $\vdash\vdash$                                   |              | $\vdash$   | -            | $\vdash$ | Н               | $\dashv$ | $\vdash$ |
| <u></u>  | 49       | $\vdash$            | 4        | _            | $\perp$ | +        | +- | ╄              | <u> </u>     |      |            | 99       | Н               | $\vdash \vdash$ |          | +       | +      | +        | $\vdash \vdash$ |          | <u> </u>     | 149        | -            |  | <del> </del> | ⊢  | $\vdash$     | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$ |
| L  | 50       |                     |          | $\perp$ L    |         | $\perp$  |    |                | <u></u>      | :::: |            | 100      |                 |                 |          | $\perp$ |        |          | Ш               |          | <br>         | 150        | L            | L  |              |  | <u> </u>     |          | لسا             | لب       |          |